

Product datasheet for **MC206148**

Pabpc1 (BC046233) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pabpc1 (BC046233) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pabpc1
Synonyms:	PABP, Pabpl
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC046233
 CGGCGGTTAGTGCTGAGAGTGCGGAGTGTGTGCTCCGGGCTCGGAACACACATTTATTATTAATAAAATCC
 AAAAAAATCTAAAAATCCTTTGAAAAAACCAAAAAATTTACAAAAATCCGCGTCTCCCCCGC
 CGGAGACTTTTATTTTTTTCTTCTCTTTATAAAATAACCCGGTGAAGCAGCCGAGACCGACCCGCC
 GCGCGCGCCCGCAGCTCCAAGCAGGAACCCAGAGACCGAGGCTTCTGCGCCCGGACCCAGCACCG
 CCAGCCTCGTCCCCCGTTCCACGGCCGTTGAGTACGCGTCGATTCCGGTTGAATTTGTCCCTCTGCG
 CTCGCCCCGCTCCCTCCCCCGGCTCCGTCCCCGGCCCGCACTCGTCTCCTCTCAGGGGAAA
 GGTGCGGCTGCGGCCCGCGGGCAGCGTGCCGAGATGAACCCAGCGCCCCAGCTACCCCATGGCC
 TCTCTGACGTGGGGACCTGCACCCGACGTGACCGAGGCGATGCTCTACGAGAAGTTACGCCGCGCG
 GGCCCATCTCTCCATCCGGGTCTGCAGGGACATGATCACCCGCGCTCCTTGGGCTACGCGTACGTGAA
 CTTCCAGCAGCCGGCGGACGCGGAACGTGCTTTGGACACCATGAATTTTGATGTTATAAAGGGAAGCCA
 GTACGCATCATGTGCTCAGCGTGATCCATCACTTCGCAAAAGTGGAGTAGGCAACATATTCATTAATA
 ATTTGGACAAATCCATCGACAATAAAGCACTATATGATACGTTTTCTGCGTTTGGTAACATCCTTTCATG
 TAAGGTGGTTTGATGAAAATGGCTCCAAGGGCTATGGATTTGTACACTTTGAAACACAGGAAGCAGCT
 GAAAGAGCTATTAAAAAATGAATGGGATGCTTCTAAATGATCGTAAAGTGTGTTGGACGATTTAAAT
 CTCGGAAGGAACGAGAAGCAGAGCTTGGAGCCAGGGCAAAGGAGTTCACCAATGTTTACATCAAGAACTT
 TGGAGAAGACATGGATGATGAGCGCTTAAGGAACTCTTTGGCAAGTTTGGGCTGCCTTAAGTGTGAAA
 GTAATGACAGATGAAAGTGGAAAATCCAAGGATTTGATTTGTAAAGCTTTGAAAGGCATGAAGATGCGC
 AGAAAGCTGTGGATGAGATGAATGGGAAGGAGCTCAATGGAAAACAGATTTATGTTGGACGAGCTCAGAA
 AAAAGTGGAAACGGCAGACGGAACCTTAAGCGCAATTTGAGCAGATGAAGCAAGATAGGATCACCAGATAT
 CAGGGTGTGAACCTTTATGTGAAAAATCTTGATGACGGGATTGATGATGAGCGTCTCCGGAAGGAGTTTT
 CTCCGTTTGGTACAATCACCAGTGCAAAAGTAAATGATGGAGGGTGGGCGCAGCAAAGGGTTTGGTTTTGT
 ATGTTTCTCATCCCTGAAGAAGCCACTAAAGCAGTTACAGAGATGAATGGTAGAATTGTGGCCACGAAG
 CCAGCTGATGTAGCTTTAGCTCAGCGCAAGAAGAGCGCCAGGCTCACCTCACTAACCAAGTATATGCAGA
 GGATGGCAAGTGTACGAGCTGTGCCAACCCTGATCAACCCTACCAGCCAGCACCTCCTTCAGGTTA
 CTTTCATGGCAGCTATCCACAGACTCAGAACCGTGTGCTGCTACTATCCTCCTAGCCAAATGCTCAACTA
 AGACCAAGTCTCGCTGGACTGCTCAGGGTGCCAGACCTCATCCATTCCAGAATATGCCCGGTGCTATCC
 GCGCAGCTGCTCCTAGACCACCTTTAGTACGATGAGACCAGCTTCTCAGAGTTCCACGAGTCATGTC
 AACACAGCGTGTGCTAACACATCAACACAGACAATGGGTCCACGTCCTGCAGCTGCTGCTGCTGCAGCC
 ACTCCTGCTGTCGACCGCTTCCCAAGTATAAATATGCTGCGGGAGTCCGCAATCCCAGCAACATCTTA
 ATGCACAGCCACAAGTTACCATGCAACAGCCTGCTGTTTATGTGCAAGGTCAAGAACCTTTAACTGCTTC
 CATGTTGGCATCTGCGCCCCGCAAGAGCAGAAGCAATGTTGGGTGAACGGCTGTTTCTCTTATCCAA
 GCCATGCACCTTCTCTTGTGTTAAATCACTGGCATGCTGTTGGAGATTGATAACTCAGAATTACTTC
 ACATGCTCGAGTCTCCAGAGTCTCTCCGCTCAAAGGTTGATGAAGCTGTAGCTGTACTACAAGGCCACCA
 AGCGAAAGAGGCTGCCAGAAAGCAGTGAACAGTGCCACTGGTGTCCAAGTGTCTAAATGATCAGGGA
 CCACGAACAGAACTCGTGCTTACCAGAAAGAAATATCTTAAACATCGAAAAATTTAAATATTATGAAA
 AAAACATTGCAAAATATAAAATAAATAAAAAAGGAAAGGAACTTTGAACCTTATGTACCGAGCAAAAT
 GCCAGGTCTAGCAACAGTGCTAGTCTAGATTACTTGATTTAAACAACAAAAAATACAAAAAATAG
 TAAAAATAAAAACAAATTAATGTTTTATAGACCCTGGGAAAAGAATTTTCAGCAAGTACAAAAATTA
 AAGCATTCTTTCTTAATTTTGAATTTTACTGTGGAATAGCTTGGGACATCAGCTGCTGTTTTAAGG
 AGCAGAACTGATGACTGAGCAAGGAAACGTAATTTGATTATAAAATCTTGCTTAAATAAAATTCCTT
 AAACAAAAAATAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI
ACCN: BC046233
Insert Size: 1911 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC046233 , AAH46233
RefSeq Size:	2834 bp
RefSeq ORF:	1911 bp
Locus ID:	18458
Cytogenetics:	15 B3.1
Gene Summary:	<p>Binds the poly(A) tail of mRNA, including that of its own transcript. May be involved in cytoplasmic regulatory processes of mRNA metabolism such as pre-mRNA splicing. Its function in translational initiation regulation can either be enhanced by PAIP1 or repressed by PAIP2. Can probably bind to cytoplasmic RNA sequences other than poly(A) in vivo. Involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. Involved in regulation of nonsense-mediated decay (NMD) of mRNAs containing premature stop codons; for the recognition of premature termination codons (PTC) and initiation of NMD a competitive interaction between UPF1 and PABPC1 with the ribosome-bound release factors is proposed (By similarity). By binding to long poly(A) tails, may protect them from uridylation by ZCCHC6/ZCCHC11 and hence contribute to mRNA stability (By similarity).[UniProtKB/Swiss-Prot Function]</p>